**Buck Converter Dimensionierung**

* **5V:**
  + 45 LEDs hinten: 60mA x 45 = 2,7A
  + 34 LEDs vorne: 60mA x 34 = 2,04A
  + Sensoren: 8 x 0,2A = 1,6A
  + Raspberry PI: 3A
* **10A**
* **12V:**
  + Lüfter 5x40mm: 5x0,75A = 3,75A
  + SensorMount oben: 3A
* **7A**

**Stage Two 5V:**

**10A + 25% Reserve = 12,5A 🡪 62,5W**

**Stage One 12V:**

**65W 🡪 5,4A für Stage Two**

**7A + 25% Reserve = 8,75A**

**14A x 12V = 168W**